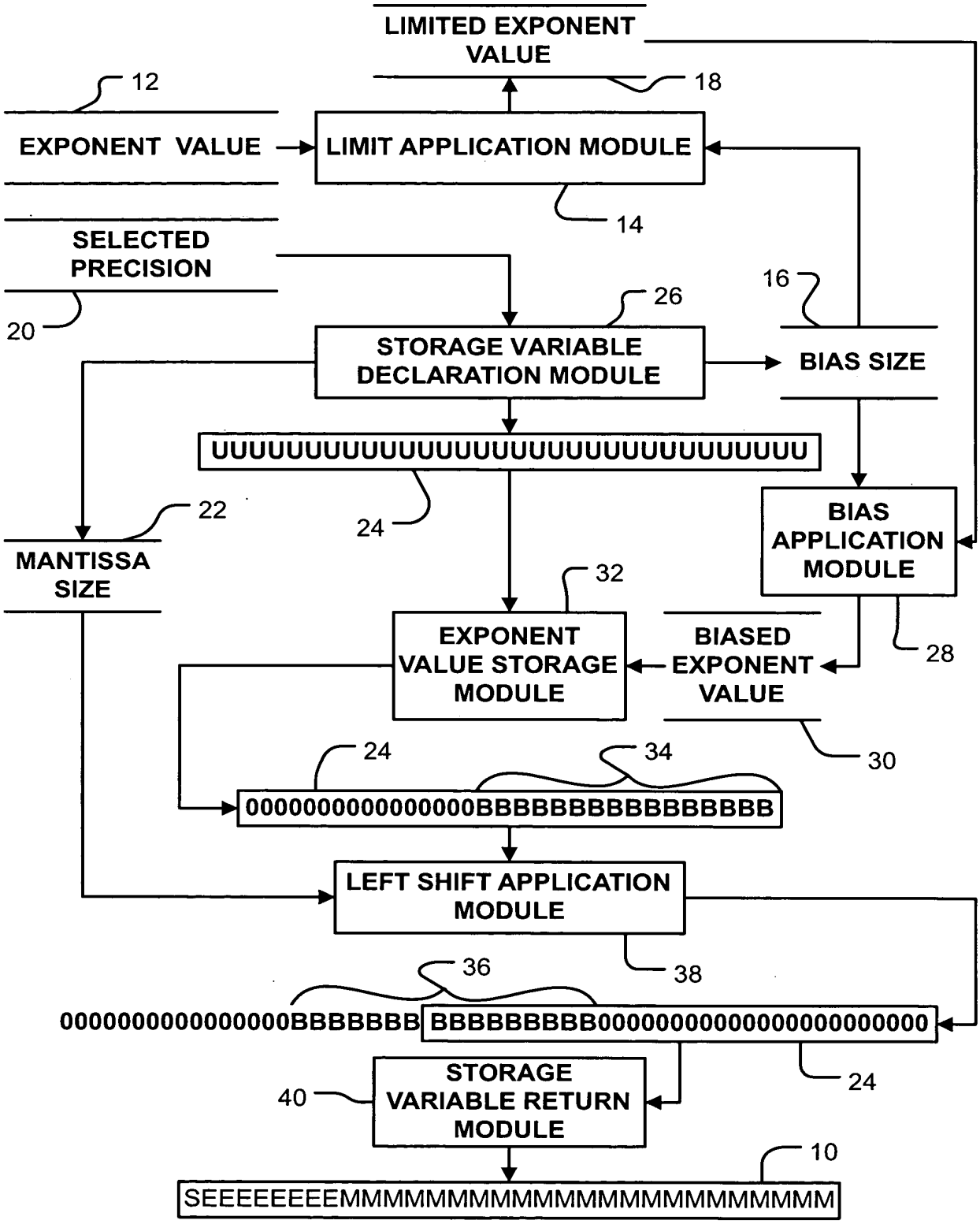

LIMITED EXPONENT VALUE
18
12
EXPONENT VALUE
LIMIT APPLICATION MODULE
14
SELECTED PRECISION
20
26
16
STORAGE VARIABLE DECLARATION MODULE
BIAS SIZE
UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
24
22
MANTISSA SIZE
BIAS APPLICATION MODULE
32
EXPONENT VALUE STORAGE MODULE
BIASED EXPONENT VALUE
28
30
24
34
00000000000000000BBBBBBBBBBBBBBB
LEFT SHIFT APPLICATION MODULE
38
36
00000000000000000BBBBBBB
BBBBBBBBB00000000000000000000000
24
40
STORAGE VARIABLE RETURN MODULE
10
SEEEEEEEEMMMMMMMMMMMMMMMMMMMMMMM

Figure - 1

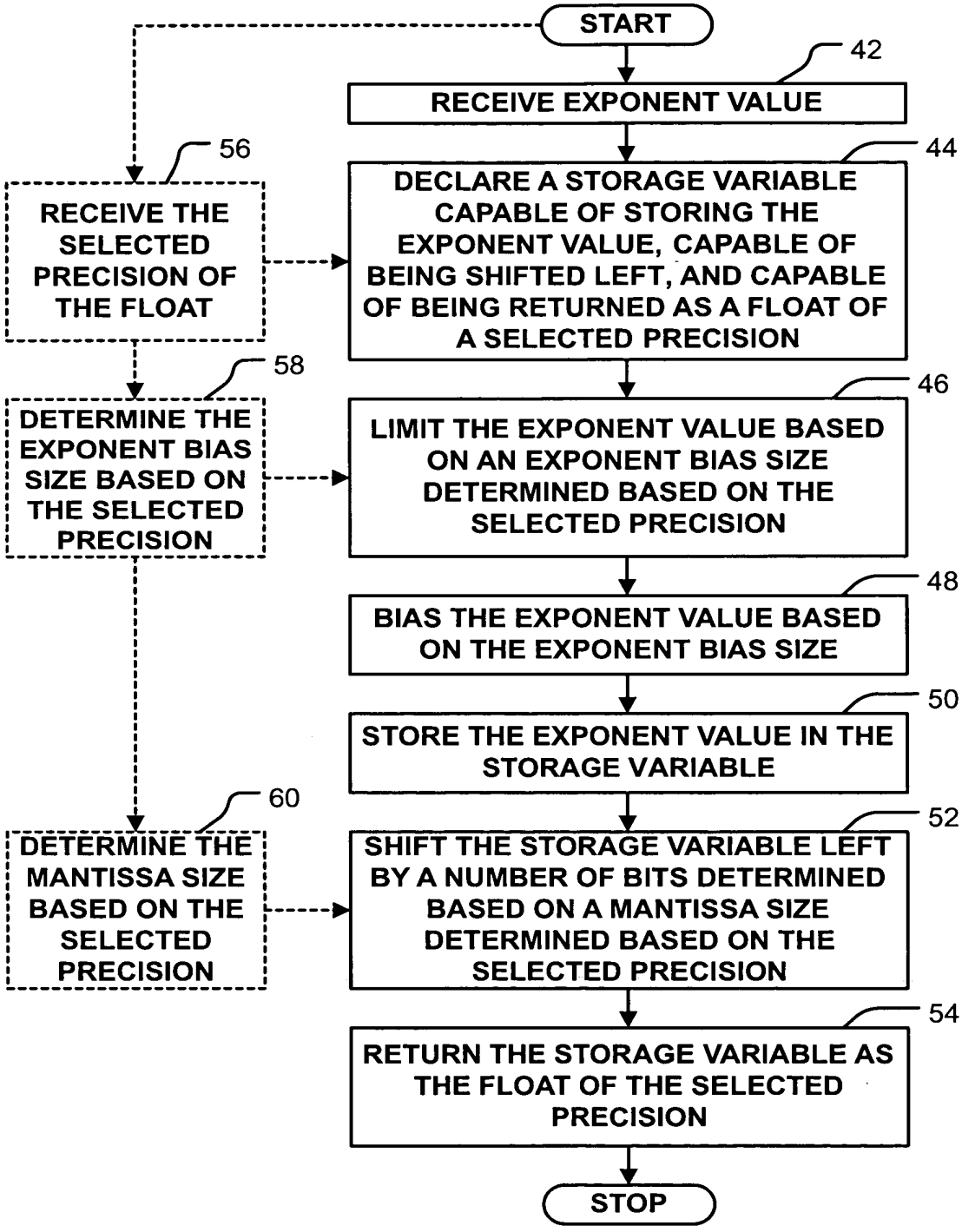

START
42
RECEIVE EXPONENT VALUE
56
RECEIVE THE SELECTED PRECISION OF THE FLOAT
44
DECLARE A STORAGE VARIABLE CAPABLE OF STORING THE EXPONENT VALUE, CAPABLE OF BEING SHIFTED LEFT, AND CAPABLE OF BEING RETURNED AS A FLOAT OF A SELECTED PRECISION
58
DETERMINE THE EXPONENT BIAS SIZE BASED ON THE SELECTED PRECISION
46
LIMIT THE EXPONENT VALUE BASED ON AN EXPONENT BIAS SIZE DETERMINED BASED ON THE SELECTED PRECISION
48
BIAS THE EXPONENT VALUE BASED ON THE EXPONENT BIAS SIZE
50
STORE THE EXPONENT VALUE IN THE STORAGE VARIABLE
60
DETERMINE THE MANTISSA SIZE BASED ON THE SELECTED PRECISION
52
SHIFT THE STORAGE VARIABLE LEFT BY A NUMBER OF BITS DETERMINED BASED ON A MANTISSA SIZE DETERMINED BASED ON THE SELECTED PRECISION
54
RETURN THE STORAGE VARIABLE AS THE FLOAT OF THE SELECTED PRECISION
STOP

Figure - 2